

Philips Multimedia Projector *bClever SV1*



English User guide

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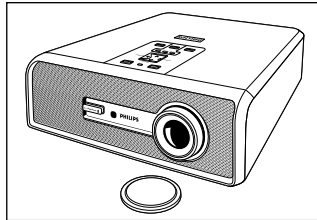
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1. Introduction

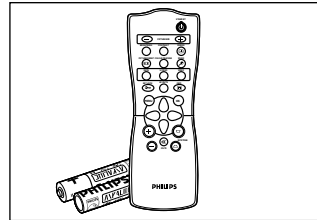


Congratulations on your purchase of one of the most sophisticated and reliable products on the market today. We are sure that, used properly, it will bring you years of enjoyment. You will want to keep this manual handy, as it is a convenient source of information about your projector. For your own protection and prolonged operation of your projector, please read the enclosed Safety Sheet.

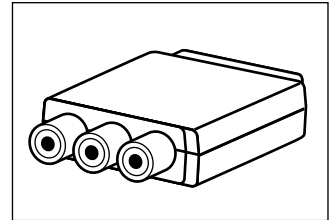
Packaging contents Please confirm that the following items are packed in the projector box. They are provided to help you use or set up your projector.



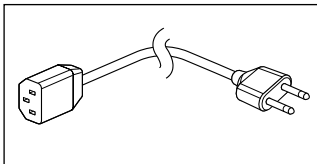
Projector - Lens cap



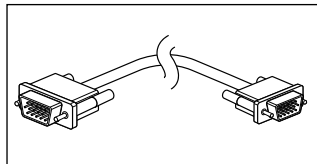
Remote control + batteries
2 X AAA Zinc Carbon, 1.5 V



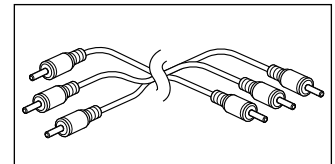
Scart/RCA Audio Video adapter
(not for USA version)



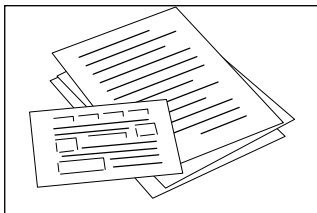
Mains Lead



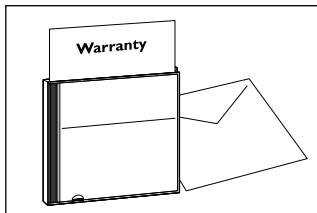
VGA cable



Audio/Video RCA Cable



Quick set up Card and Safety Sheet



Cd-rom (with Projection Assistant, Warranty card, User Guide, Spec. sheet and more.)

Optional accessories

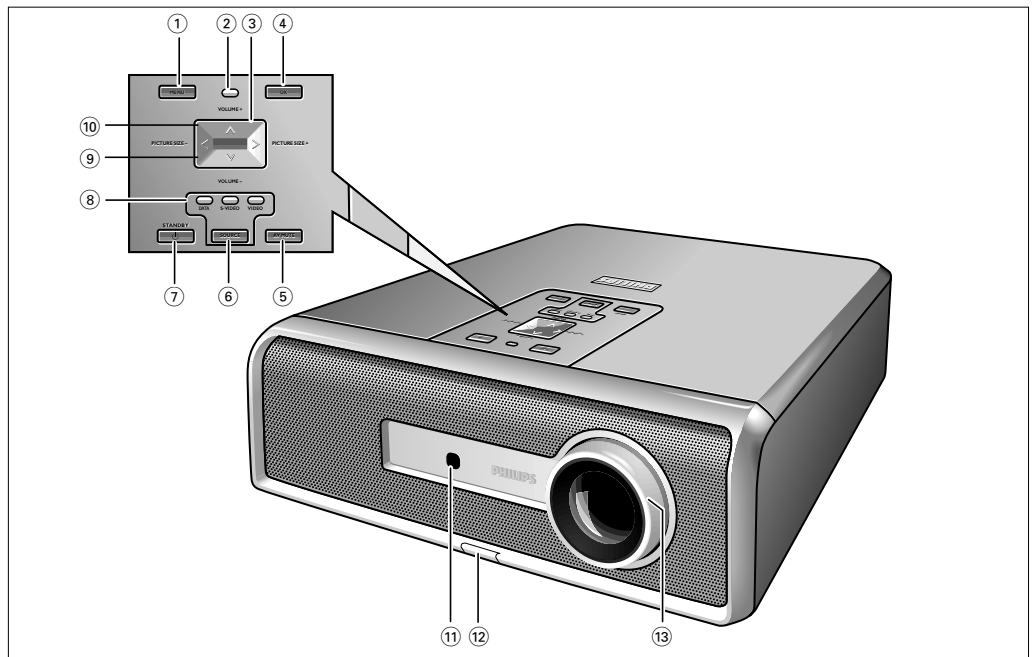
The following accessories are available via the dealer from which you purchased your Philips projector:

- LCA 3122/00 - 150 W replacement lamp - 8670 931 22009
- LCA 2214/00 - Ceiling mount - 8670 922 14009
- LCA 2314/00 - Ceiling mount face plate- 8670 923 14009
- LCA 1130/00 - Softbag - 8670 911 30009
- LCA 5300/00 - VGA extension cable - 8670 953 00009
- LCA 4121/00 - USB Mouse Control / Presentation Kit - 8670 941 21009
- LCA 4122/00 - SecurityMax Kit - 8670 941 22009
- LCA 5316/00 - MonitorY cable - 8670 953 16009
- LCA 5315/00 - VGA/RCA Component Video cable - 8670 953 15009
- LCA 5312/00 - SCART/RCA Component Video adapter - 8670 953 12009

Service accessories

The following accessories are available via our Service organisation only:

- Compact remote Control - 3139 228 62571
- Mains lead USA - 3122 438 75211
- Mains lead Euro - 3122 438 75191
- Mains lead UK - 3122 438 75201
- Mains lead CCEE - 3122 438 75261
- VGA cable - 3122 438 75230
- Audio video RCA cable - 3122 438 75240
- SCART/RCA Audio Video adapter - 2422 033 00345
- MonitorY cable - 3122 438 75181
- Documentation kit (Cd-rom) - 3122 438 71721



Menu ① To activate and deactivate the menu.

Error indicator ② – Lights up red in case of lamp error
– Fast blinks red in case of temperature error

Volume +/- ③ To adjust the volume.

OK ④ To confirm actions in the menu when the menu is on screen.

A(udio)/V(ideo) Mute ⑤ To mute the sound of the projector and to mute the picture.

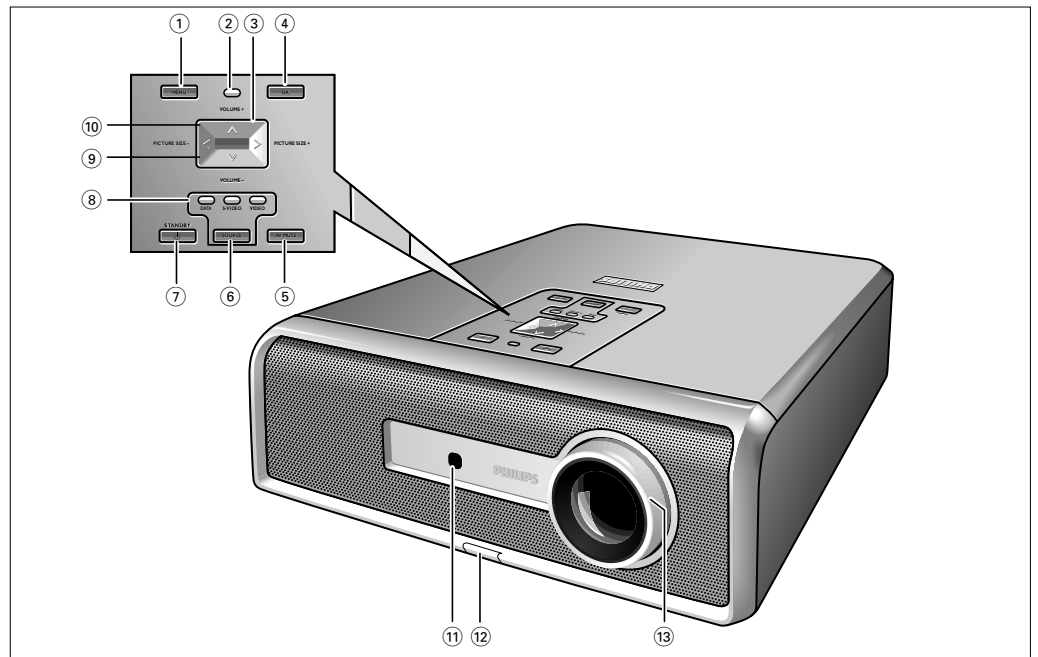
Source ⑥ To select the current projection source (Auto, Data, RGBsync, YPbPr or RGBsog, S-Video, Video). The button toggles between the six signals. When 'Auto' is selected the source with the highest priority will automatically be selected (Data, RGBsync, YPbPr or RGBsog, S-Video, Video). When only one input source is connected, this will automatically be selected.

Standby/Remote control indicator ⑦ To switch the projector in or out of the Power/Standby mode. The indicator on the button:
– lights red when the projector is in Power/Standby mode;
– lights green when the projector is in operation mode;
– slowly blinks green when the projector is warming up;
– slowly blinks red when the projector is cooling down;
– fast blinks green/yellow for 1 second when the projector receives a signal from the remote control in operation mode.

Source indicators ⑧ Indicate the currently active projection source (Data, S-Video, Video)

Picture size +/- ⑨ To reduce/enlarge the size of the projected picture.

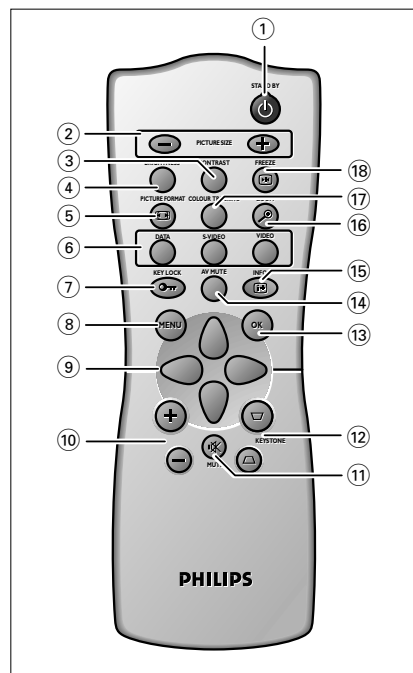
Cursor Control ⑩ When the menu is active the Cursor Control controls the menu cursor to navigate through the OSD menu. The cursor control works with up/down and left/right button operation.



IR sensor ⑪ To receive the signals from the remote control.

Height/Level adjuster ⑫ To adjust the vertical angle of the projector.

Focus ring ⑬ To adjust the focus of the projected image.



Standby ① To switch the projector in or out of the Power/Standby mode.

Picture size - / + ② To reduce/enlarge the size of the projected picture.

Contrast ③ To adjust the overall contrast intensity;

Brightness ④ To adjust the brightness of the displayed picture;

Picture format ⑤ To select one of the five available picture format options (16:9, 16:9 enlarged, 16:9 in 4:3, 4:3, 4:3 to 16:9).

Source selection buttons ⑥ To select the current projection source (Data, S-Video, Video).

Key lock ⑦ To de-activate all local controls. To disable the Key lock function press Key lock again.

Menu ⑧ To activate and de-activate the menu.

Cursor Control ⑨ When the menu is active the Cursor Control controls the menu cursor to navigate through the OSD menu. The cursor control works with up/down and left/right button operation.

- + ⑩ To adjust the volume.

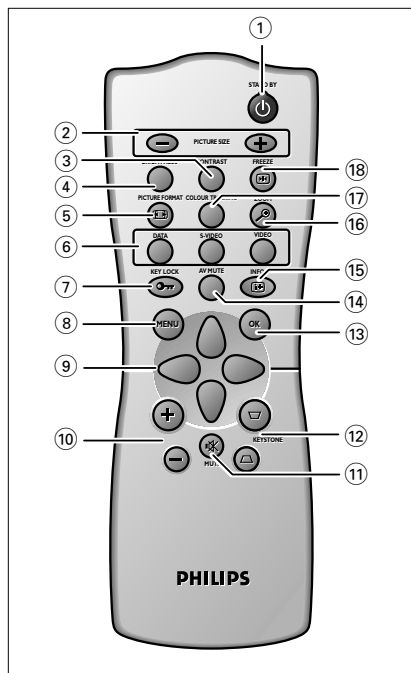
Mute ⑪ To mute the sound of the projector.

Keystone ⑫ To correct picture distortion of the vertical keystone type by internal scaling.

OK ⑬ To confirm actions in the menu when the menu is on screen.

A(udio)/V(ideo) Mute ⑭ To mute the sound of the projector and to mute the picture.

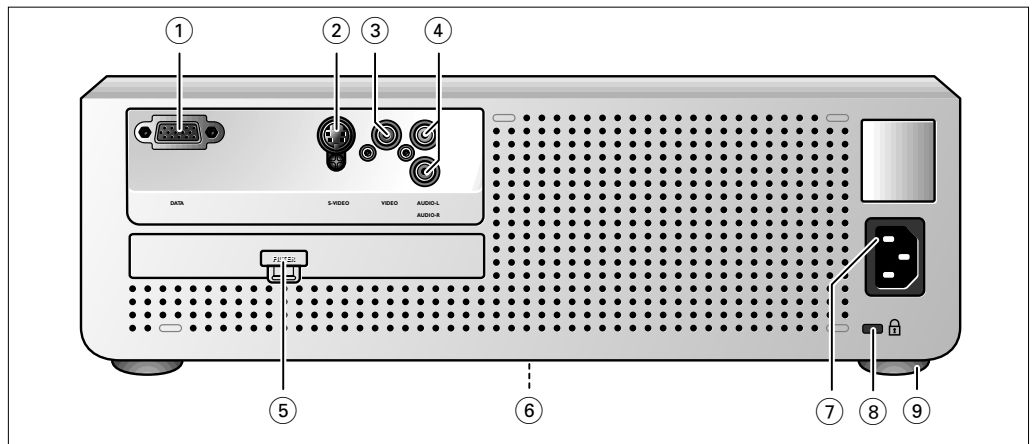
Info ⑮ To show information on the projector status: Source, Input Signal, Mute, A/V Mute, and Picture Format



Zoom ⑩ To enlarge the picture. The button toggles between 4 x, 9 x, 16 x and Off.

Colour Tracking ⑪ To select between 'Vivid' and 'Natural' representation of colours in the picture. 'Vivid' is automatically set when computer input is used; 'Natural' is automatically set when video input is used.

Freeze ⑫ To capture a (moving) picture. The button toggles between the Freeze mode and the display situation.



Data ① **Data connection**

- Input socket to connect to the Data out terminal of a computer.
- Input socket to connect to DVD- and HDTV-video equipment
This socket can be connected to the following output sockets: YCbCr, YPbPr, RGBS (Composite sync), RGBHV.

Video source connections

S-Video ② Input socket to connect to the S-Video out socket of a S- video recorder, a VCR, Laser Disc player; DVD player; video camera or TV with AV output socket.
This socket can be connected to a S-Video (Y/C) output socket.

Video ③ Input socket to connect to the Video out socket of a video recorder; Laser Disc player; video camera, DVD player; or TV with AV output socket.
This socket can be connected to Video (CVBS) output sockets.

Audio L/R ④ Input sockets to connect to the Audio out sockets of a video recorder; laser disc player; video camera or TV with A/V output socket.

General

Filter ⑤ Dust filter

Lamp compartment ⑥

Mains inlet socket ⑦ To connect the projector to the mains.

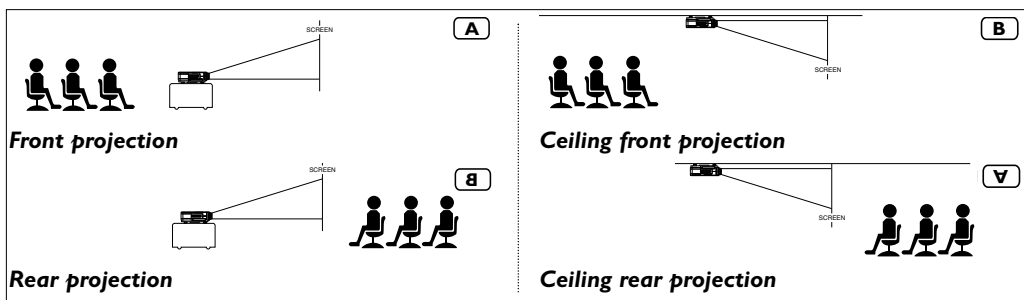
Lock slit ⑧ To insert an optional locking device (Kensington lock).

Horizontal adjuster ⑨ To adjust a possible oblique displayed picture.

3. Set up

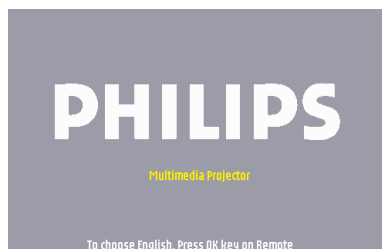
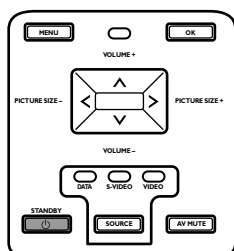


Positioning the projector and screen



- Place the projector on a stable, level surface, out of direct sunlight and away from sources of excessive dust, dirt, heat, water, moisture, vibration and strong magnetic fields.
- Allow sufficient cooling of the product by keeping all air inlets and outlets clear from obstructions.
- Position the projector in such way that the viewers cannot watch into the projector light beam.
- Choose a screen size suitable for the number of viewers and the size of the room.
- Picture quality is best when you sit directly in front of the projector screen.
- The projector can be used for both front projection, rear projection and ceiling projection applications. As default factory setting, the projector has been set up for front projection. You can change to rear or ceiling projection via the 'Mirror' function in the 'Set up' menu.
- For more information on the projection properties of the projector, please check the 'Projector Assistant' programme on the CD-ROM.

Switching on the projector



- 1 Insert the mains lead into the projector's Mains inlet socket and connect it to the wall socket.
 - The Standby indicator (on the ⏻ Standby button) lights up red, the projector is now in the Power/Standby mode.
- 2 Remove the lens cap.
- 3 Press the ⏻ Standby button on projector or any key on the remote control to switch on the projector.
 - The Standby indicator starts blinking green.
- When the projection lamp is on, the Standby indicator lights up green and the start-up screen appears for several seconds.

- 4 Press the ⏻ Standby button to switch the projector back into the Power/Standby mode.
 - The Standby Warning screen will appear for 20 seconds.
 - The Standby Warning screen can be removed by pressing the OK button.
- 5 Press the ⏻ Standby button again to confirm.
 - The projector will now go into Power/Standby mode.

You can also press the Standby button twice in succession to switch the projector into Power/Standby mode immediately.

- 6 To switch off the mains supply completely, disconnect the mains lead.

- Save energy! Please put the projector in the Power/Standby position if you are not going to use the projector for more than 15 minutes.
- Before disconnecting the mains lead, make sure that the cooling fan has stopped (about 3 minutes after the projector has been switched to Power/Standby).

Information

If the projector is switched off you have to wait 1 minute, for lifetime reasons, before you can switch on the projector again.

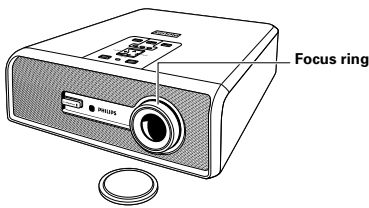
Press standby key again to confirm.

Press OK key to remove this warning.

3. Set up

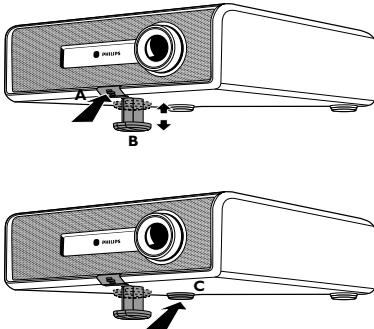


Adjusting the focus of the image



- Use the Focus ring to adjust the focus of the image.

Adjusting the vertical angle of the projector



To raise

- Keep knob A pressed and lift to raise the projector:
 - The Height/Level Adjuster B will come out.
- 3 Use the horizontal adjuster C to fine-tune the display angle.

To lower

- Keep knob A pressed and gently lower the projector.
- Use the Focus Ring and Zoom Ring to readjust the focus and size of the image.
- 3 Use the horizontal adjuster C to fine-tune the display angle.

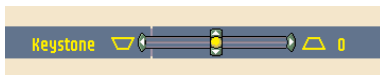
Keystone correction



If projector and screen are not properly placed, the picture will be distorted, producing a keystone image (picture top width larger than picture bottom width or vice versa/picture left side width larger than picture right side width or vice versa). When a keystone image occurs the image ratio (4:3, 16:9) will still be guaranteed. This is especially important when the projector is being used together with an 'intelligent whiteboard'.


'Keystone correction' allows you to correct picture distortion of the vertical keystone type by internal scaling.

- Use Keystone ▽ on the remote control to widen the upper part of the image.
- Use Keystone ▲ on the remote control to widen the lower part of the image.
- The keystone slider appears on the screen.
- This correction function also is accessible through the 'Keystone' option in the 'Set up' menu of the On Screen Display (OSD) menu.



Moving/transporting the projector

Preparation

- 1 Press the  Standby button *twice* to put the projector in Power/Standby.
 - The Standby indicator starts blinking red.
- 2 Wait until the cooling fan has stopped (about 3 minutes after the projector has been put in Standby) and disconnect the mains lead and all other cables.
- 3 Put the lens cap back in place to prevent dust, dirt or other contamination from harming or damaging the front of the projector lens when moving the projector.

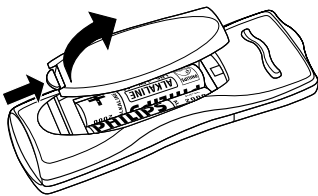
Note *Never place the projector on the side where the connections are located.*

Moving/transporting the projector

The projector contains many glass and precision parts. If you need to transport the projector, please follow these packing instructions to prevent accidental damage to the projector:

- When you are hand-carrying the projector, be sure to use a carrying case like the optional softbag.
- When shipping the projector, use the original packaging material if possible. If you do not have the original packaging, use equivalent materials, placing plenty of cushioning around the projector.
- When transporting the projector as freight or checked luggage, first put it in a carrying case, then pack it in a firm box, using cushioning around the case.

Inserting the batteries in the remote control



- 1 Push and slide the lid in the direction of the arrow.
- 2 Install two 'AA' batteries as indicated inside the battery compartment.
- 3 Replace the lid and snap it into place.

Note *The maximum range of the remote control is approximately 15 m (± 50 feet).*

General information

Data input

The Data input is suitable for both Apple Macintosh computers (Power Book and Power Mac) as well as for IBM compatible PCs. The projector is Microsoft (R), Windows (R) 95/98/ME/2000/XP compatible and accepts input signals from all computers that meet following specifications:

- Multi scan up to SXGA/60 Hz
- H-sync (Horizontal scan rate): 30-65 kHz
- V-sync (Vertical refresh rate): 56-85 Hz
- Bandwidth: 110 MHz
- Display Data Channel DDC: 1/2B

The data output of IBM compatible PCs can be connected directly to the projector using standard data cables. When connecting the projector to a Macintosh computer equipped with a 2 row, 15 pin connector a VGA/MAC adaptor (available at your PC store) is required. If your computer is equipped with a 3 row connector no adaptor is needed.

Video input

The projector accepts the input signal of all major video formats:

Video (CVBS) / S-Video: (Y/C): NTSC 3.58, 4.43, PAL B, G, D, H, I, N, M and SECAM B, D, G, K, K1, L.

Component video (via Data input): YPbPr, RGBsync, RGBsog.

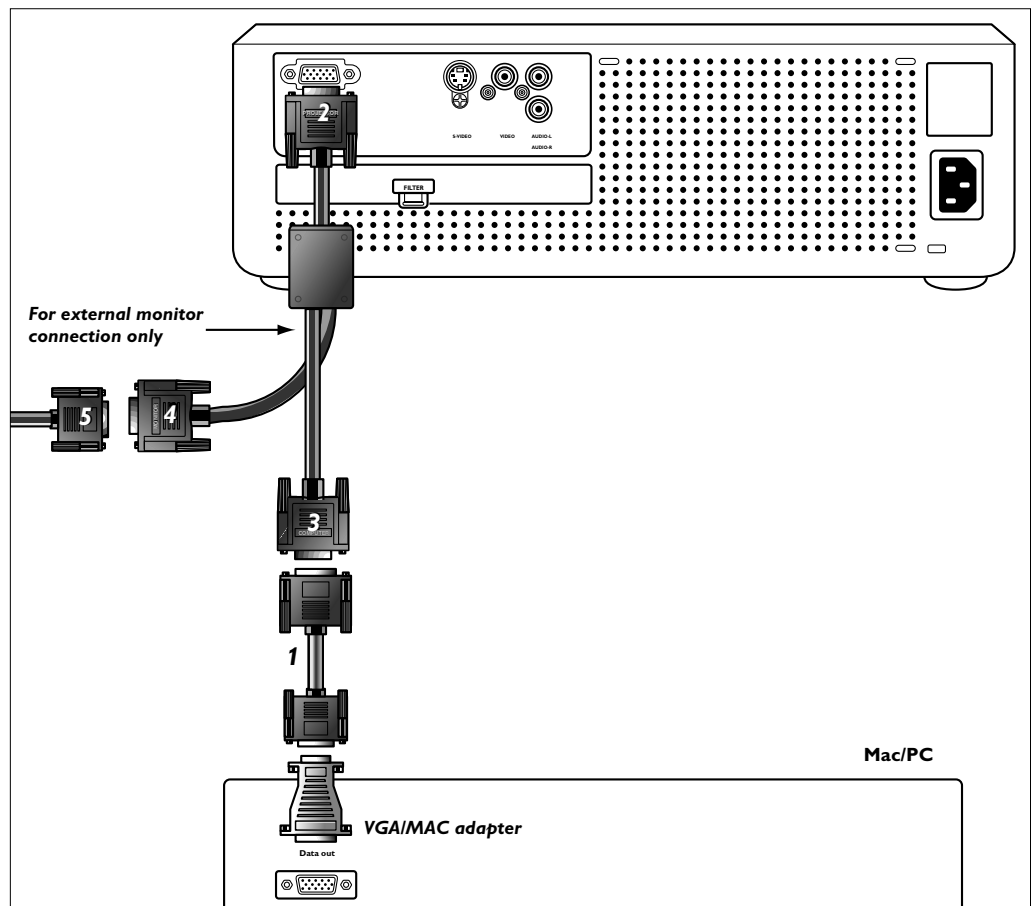
EDTV/HDTV/SDTV: 480p, 575p, 720p/(50/60), 1035i/(30), 1080i/(25/30/AUS), 1080p/(30).

The projector will recognize these standards and adapt to them automatically.

With the 'Picture Format' feature you can select one of five picture format options: 16:9, 16:9 enlarged, 16:9 in 4:3, 4:3, 4:3 to 16:9.

CAUTION

To reduce the risk of fire or electric shock always switch off projector and external equipment before making any connections.

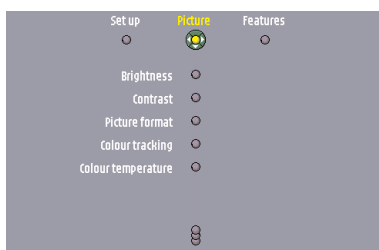


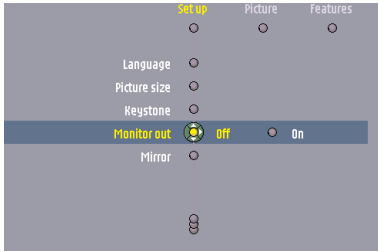
PC/Macintosh

- 1 Connect the Data (out) socket of the computer to the Data socket of the projector and secure the plugs by tightening the thumb screws.
For this, use the VGA cable supplied **(1)**.
- 2 Select 'Data' as input source using the Source button on the projector or the Source selection buttons on the remote control.
You can also select 'Data' in the 'Features' menu. See 'On Screen Display Menu' - 'General explanation' on how to navigate through the menu.

Connecting to an external monitor

- 1 Connect the VGA Y connector marked 'Projector' **(2)**, of an optional VGA Y-cable, to the Data socket of your projector.
- 2 Connect the VGA Y connector marked 'Computer' **(3)** to the VGA cable supplied **(1)**.
- 3 Connect the VGA Y connector marked 'Monitor' **(4)** to the VGA cable of the external monitor **(5)**.
- 4 Switch on your Computer and projector.
- 5 Press the Data button on the remote control.
- 6 Press Menu.
 - The menu bar appears on the screen.
 - The 'Picture' item is highlighted.



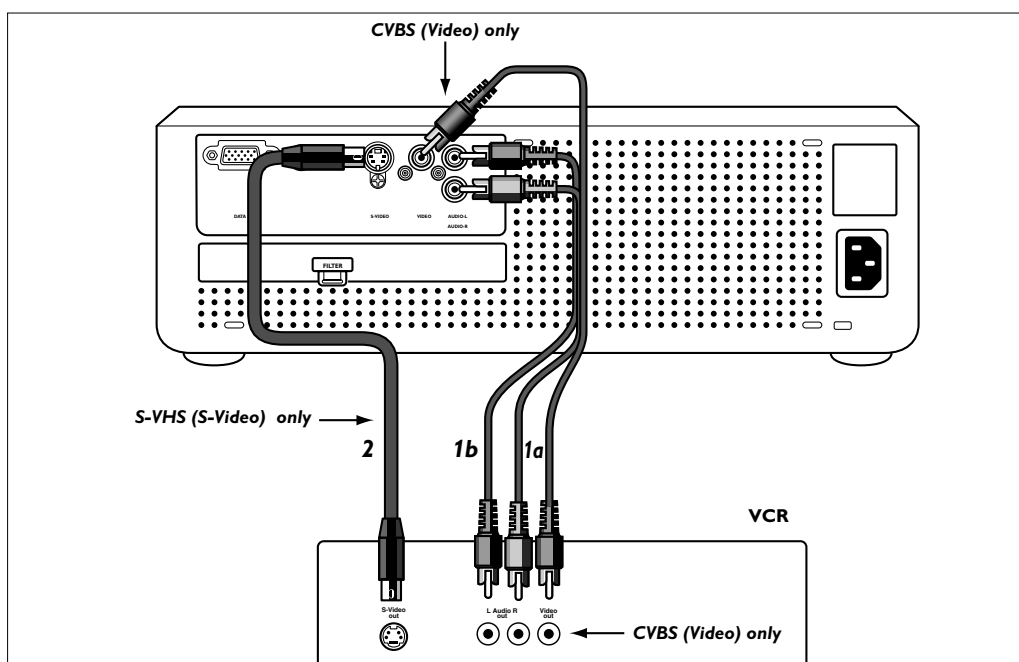


- 7 Use Cursor Control to select 'Monitor out' in the 'Set up' menu. See 'On Screen Display Menu' - 'General explanation' on how to navigate through the menu.

- 8 Use Cursor Control right to select 'On'.

- 9 Switch on the external monitor:
 - The image projected is simultaneously shown on the monitor:

Note *In case of interference problems when connecting to an external monitor, applying long VGA cables or interference with certain monitor type's, the use of an active splitter is recommended.*



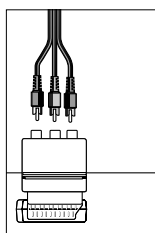
Video (CVBS)

- 1 Connect the Video (out) socket of a VCR, Laser Disc player; video camera or TV to the Video (in) socket of the projector.
For this, use the video/audio connection cable **(1a)** supplied.
- 2 Connect the Audio out L/R sockets of the VCR, Laser Disc player; video camera or TV to the Audio (in) L/R sockets of the projector.
For this, use the audio/video connection cable supplied **(1b)**.

S-Video

- 1 Connect the S-Video (out) socket of a S-Video recorder; Laser Disc player; video camera or TV to the S-Video (in) socket of the projector.
For this, use an optional S-Video connection cable **(2)**.
- 2 Connect the Audio out L/R sockets of the S-Video recorder; Laser Disc player; video camera or TV to the Audio (in) L/R sockets of the projector.
For this, use the audio/video connection cable supplied **(1b)**.

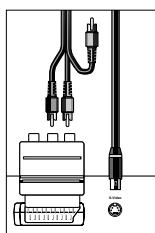
Scart connection



Scart adapter
(not for USA version)

Video (CVBS)

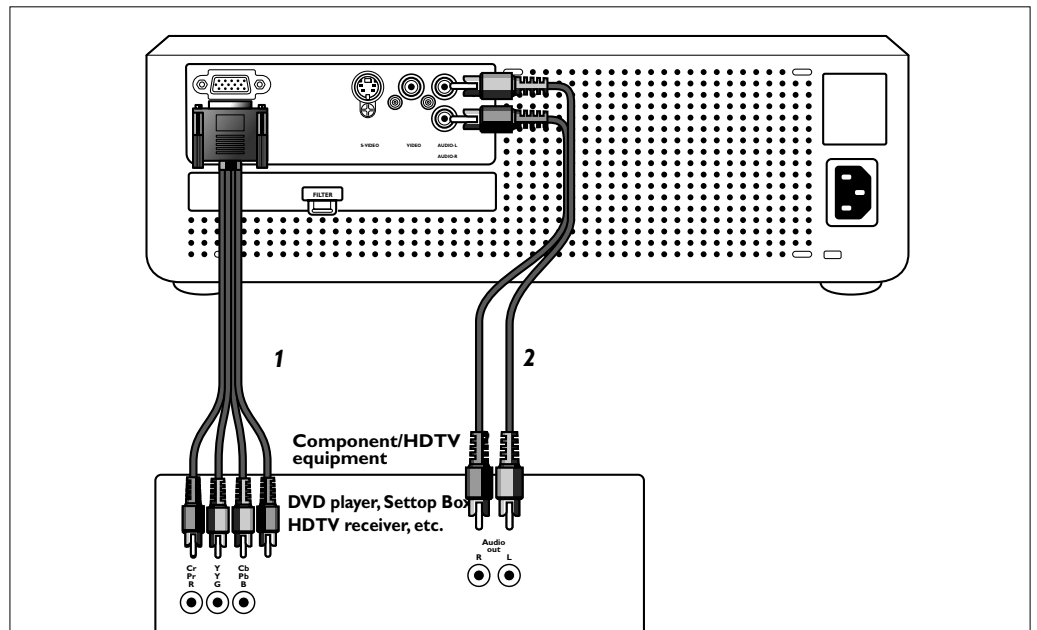
- 1 Connect the Scart/RCA Audio Video adapter supplied to the Scart connector of the VCR, Laser Disc player; video camera or TV.
- 2 Plug the video/audio connection cable supplied into both the adapter and the Video and Audio (in) L/R sockets of the projector.



Scart adapter
(not for USA version)

S-Video

- 3 Plug an optional S-Video connection cable into the VCR and the S-Video socket of the projector.



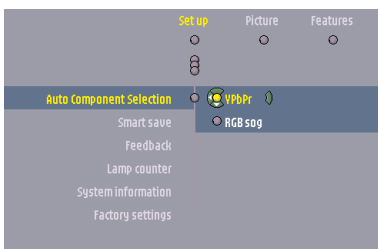
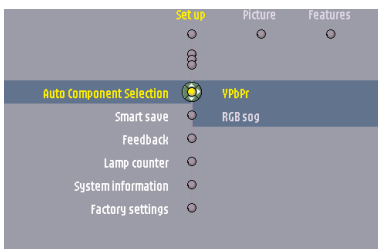
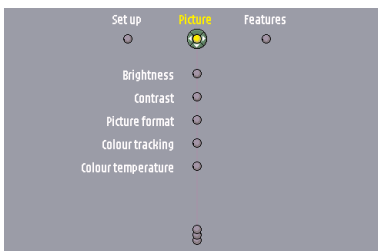
Component/HDTV

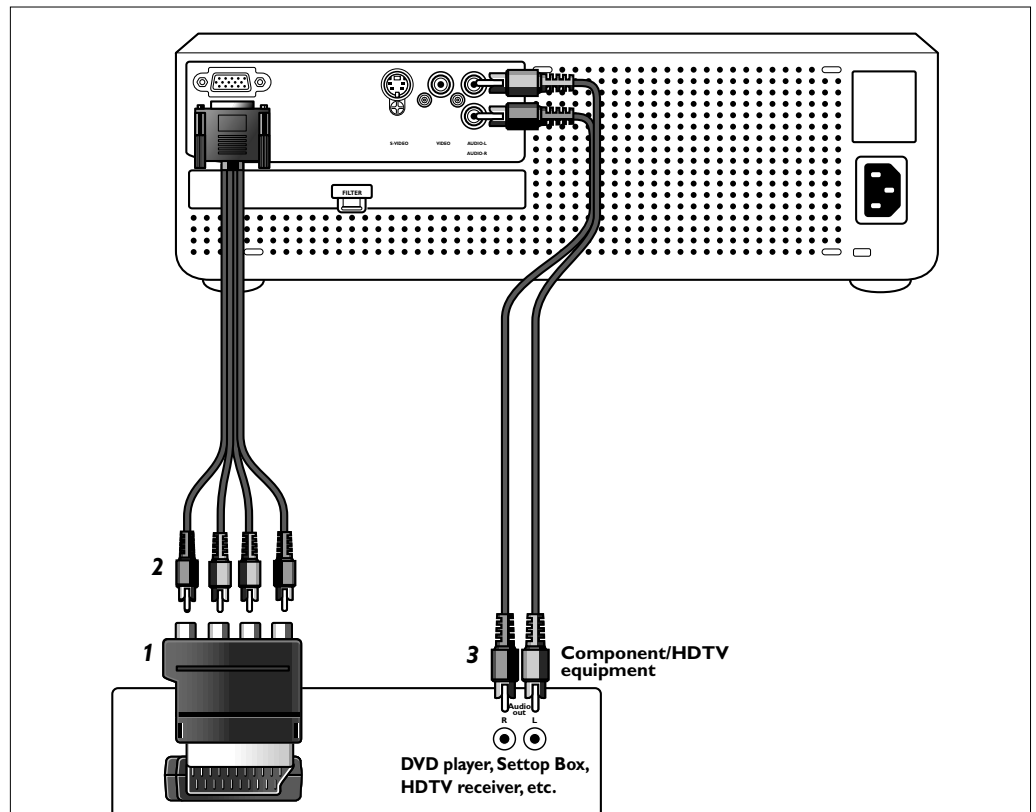
PR/R, Pb/B, Y/G,

- 1 Connect an optional VGA/RCA Component Video cable (1) to the Data socket of the projector.
 - 2 Connect the plugs at the other end of the cable to the appropriate output sockets (Pr;Y, Pb / Cr;Y, Cb) of your Component- or HDTV-video equipment (DVD player, Set top box, HDTV receiver, etc.).
- If required you can connect the Audio out L/R sockets of the Component- or HDTV-video equipment to the Audio (in) L/R sockets of the projector. For this, use an optional audio connection cable (2).
 - Audio information from the Component- or HDTV-video equipment will be played via the projector speaker.

When YPbPr connection has been made:

- 1 Press Menu.
 - The menu bar appears on the screen. The 'Picture' item is highlighted.
- 2 Use Cursor Control left to select 'Set up'.
- 3 Use Cursor Control down to select 'Auto Component Selection'.
- 4 Use Cursor Control right to select 'YPbPr'.

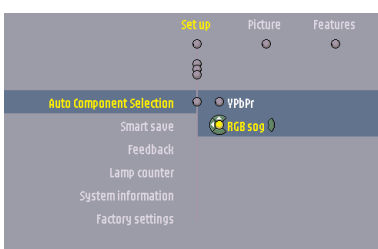
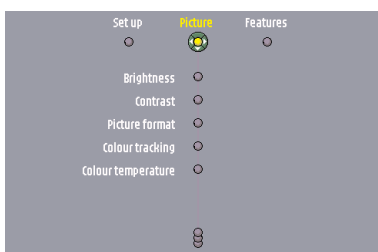


**Scart connection****RGBS**

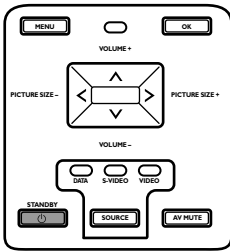
- 1** Connect an optional Scart/RCA Component Video adapter **(1)** to the Scart connector of your Component- or HDTV-video equipment.
- 2** Connect an optional VGA/RCA Component Video cable **(2)** to the Data socket of the projector.
- 3** Connect the plugs at the other end of the cable to the appropriate output sockets of your Component- or HDTV-video equipment (R,G, B, S).
 - If required you can connect the Audio out L/R sockets of the Component- or HDTV-video equipment to the Audio (in) L/R sockets of the projector.
For this, use an optional audio connection cable **(3)**.
 - Audio information from the Component- or HDTV-video equipment will be played via the projector speaker.

When RGBsog connection has been made:

- 1** Press Menu.
 - The menu bar appears on the screen.
The 'Picture' item is highlighted.
- 2** Use Cursor Control left to select 'Set up'.
- 3** Use Cursor Control down to select 'Auto Component Selection'.
- 4** Use Cursor Control right to select 'RGBsog'.



General



- 1 Press the Standby button to switch on the projector.
 - The Standby indicator starts blinking green.

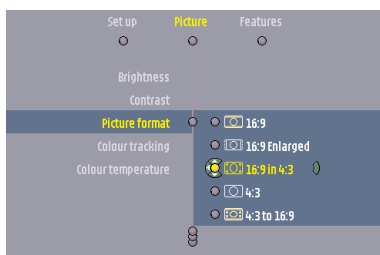
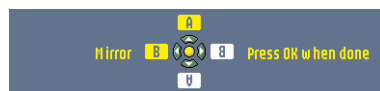
- When the projection lamp is on, the Standby indicator lights up green and the start-up screen (when enabled) appears for several seconds.

- 2 Select the required source (Auto, Data, RGBsync, YPbPr or RGBsog, S-Video, Video) by pressing the Source button.
 - The sources that can be selected are shown on the screen.
 - The required source can also be selected via the 'Source' option in the 'Features' menu of the On Screen Display (OSD) menu.
 - When only one input source is connected, this source will automatically be selected ('Auto Source'). When more input sources are connected, the source with the highest priority will be selected (Data, RGBsync, YPbPr or RGBsog, S-Video, Video). Source selection can be changed in the 'Features' menu.
- 3 Switch on the computer or start video playback.
 - A feedback message appears on the screen, indicating the selected source. 'Feedback' should be enabled in the 'Set up' menu.

Notes



Messages



Direct key feedback

Direct key feedback is given when settings/adjustments are made directly via the remote control or local keyboard. Feedback is given by means of a slider, a simple dialog or a list of options.

Sliders are used when setting e.g.:

- volume;
- picture size;
- keystone correction;
- brightness;
- contrast;
- colour tracking.

Dialogs are used when setting e.g.:

- keystone correction;
- child lock.

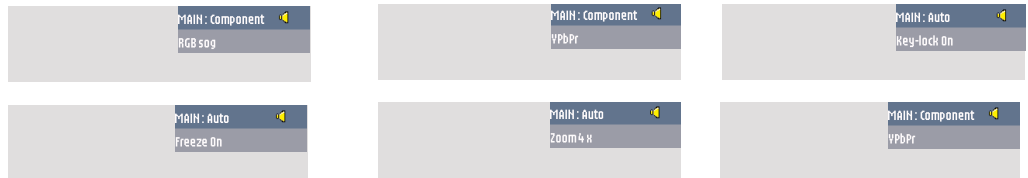
Lists are used when setting e.g.:

- picture format;
- source.

Feedback messages

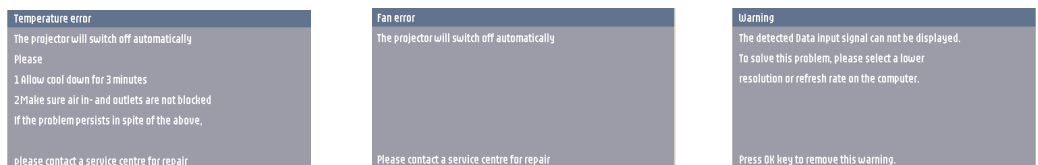
Feedback messages are displayed in the top right corner of the screen. They are displayed when:

- a signal comes up or goes down;
- an input source is changed;
- the Freeze, Mute or A/V Mute function is activated;
- the Child lock, Zoom function is (de-)activated;
- the local keyboard or remote control is used when Child lock is activated;
- the Info button is pressed.

**Error messages**

Error messages are displayed when there is a serious technical problem. They can occur at any time during operation and need immediate action. Error messages are displayed in the centre of the screen, indicating the problem and its possible solution. They are displayed when:

- a temperature error occurs. E.g. the temperature is too high. Message will appear together with red blinking Error indicator;
- a fan error occurs. E.g. one of the fans has a failure ;
- resolution or refresh rate is too high. Data source cannot be shown.

**Warning messages**

Warning messages are displayed in the centre of the screen. They are displayed when:

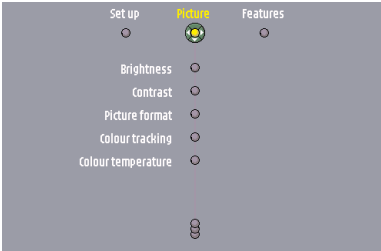
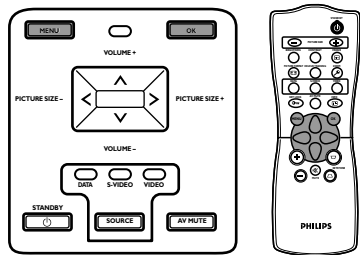
- lamp life time has almost expired;
- lamp life time has expired.



5. Operation

On Screen Display Menu <

Menu tree

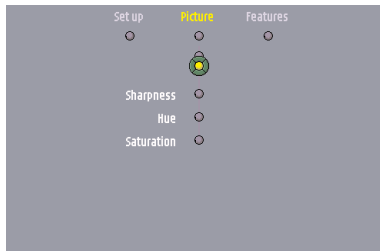
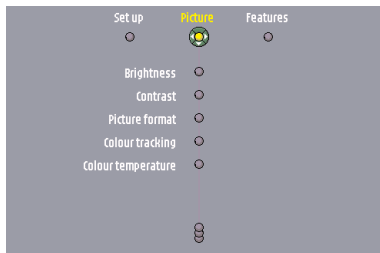


All video and data adjustments and settings (except Volume, Mute and A/V Mute) are done via *On Screen Displays* and with help of Menu, OK and Cursor Control on the projector or the remote control. The projector is set to standard specifications at the factory. However, you can adjust these specifications to suit your own preferences. The projector menu screens allow you to adjust the various projector settings (for both data and Video). For explanation and operation see next pages.

DATA MODE

Main menu	Sub menu	Setting
Picture	Brightness	0 (min) - 100 (max)
	Contrast	0 (min) -100 (max)
	Picture Format	16:9
		16:9 enlarged
		16:9 in 4:3
		4:3
		4:3 to 16:9
	Colour tracking	vivid natural
	Colour temperature	warm
		normal
		cool
	Sharpness	0 (soft) - 5 (sharp)
Features	Zoom	Off
		4 x
		9 x
		16 x
	Freeze	On Off
	Key lock	Off
	Start-up screen	Philips
		Personal
		None
	Source	Auto
		Data
		RGB sync
		YPbPr
		RGBsog
		S-Video
		Video

Menu tree

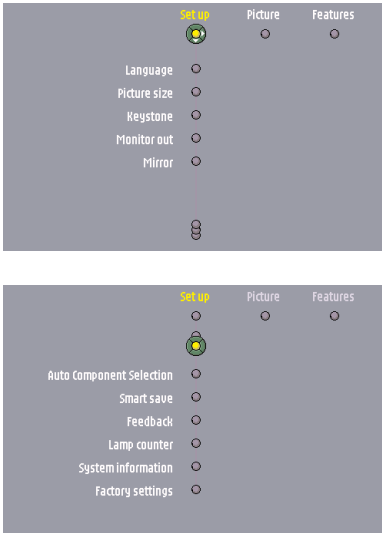


VIDEO/S-VIDEO/COMPONENT MODE

Main menu	Sub menu	Setting
Picture	Brightness	0 (min) - 100 (max)
	Contrast	0 (min) - 100 (max)
	Picture Format	16:9
		16:9 enlarged
		16:9 in 4:3
		4:3
		4:3 to 16:9
	Colour tracking	vivid natural
	Colour temperature	warm
		normal
Features		cool
	Sharpness	0 (soft) - 5 (sharp)
	Hue (NTSC only)	0 (min) - 100 (max)
	Saturation	min max

Features	Zoom	Off
		4 x
		9 x
		16 x
	Freeze	On Off
	Key lock	Off
	Start-up screen	Philips
		Personal
		None
	Source	Auto
		Data
		RGB sync
		YPbPr
		RGBsog
		S-Video
		Video

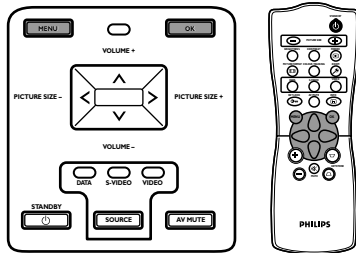
Menu tree



GENERAL ADJUSTMENTS/SETTINGS

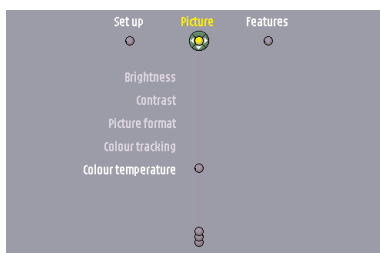
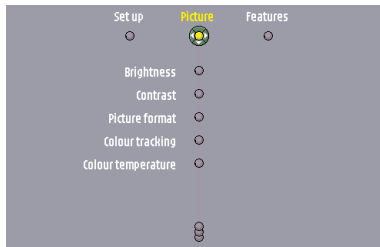
Main menu	Sub menu	Setting
Set up	Language	Deutsch English Français Español Italiano Nederlands Português 中文
	Picture size	0.50 x - 1.00 x
	Keystone	
	Monitor out	On Off
	Mirror	
	Auto Component Selection	YPbPr RGBsog
	SmartSave	Off 5 minute - 60 minutes
	Feedback	Off On
	Lamp counter	Lamp used for: 0
	System information	OK
	Factory settings	OK (3 sec.)

General explanation



1 Press Menu.

- The menu bar appears on the screen. The 'Picture' item is highlighted.



Depending on the selected source (Auto, Data, RGBsync, YPbPr, RGBsog, S-Video, Video) some options of the submenu may be greyed out. This indicates that these functions:

- are not available in a certain mode,
- have no function for the selected source.

For example: Hue under menu 'Picture' when signaltype is not NTSC.



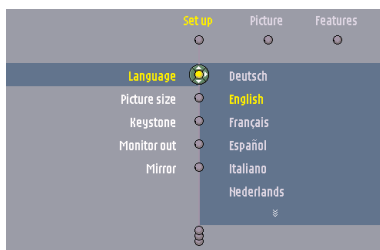
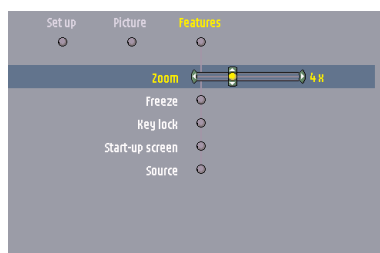
2 Use Cursor Control left and/or right to move the cursor to any other item in the menu bar.

3 Select the sub menu item to be adjusted using Cursor Control up and/or down.

- When more items are available than can be shown in one screen, this will be indicated by 9 at the bottom of the list. Move the cursor down to go to the next list of items. Move the cursor up to go back to the first list.
- When a selection list in a submenu contains more items than can be shown in one screen, this will be indicated by 11 at the bottom of the list. Move the cursor down to go to the next list of items. Move the cursor up to go back to the first list.

4 Adjustments are generally made by setting an on screen slider to the required value. For this use Cursor Control left/right. Confirm the adjustment by pressing OK.

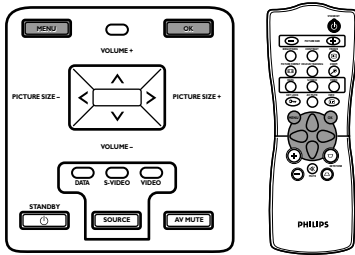
Settings are generally made by selecting the required item from a list of options. For this use Cursor Control up/down. Confirm the setting by pressing OK.



5 Select the next item to be adjusted in the sub menu and adjust as described above.

6 Press Menu to close the On Screen Menu Display.

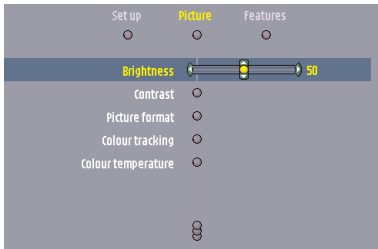
Data adjustments



For data signal input, the following 'Picture' and 'Features' adjustments can be made.

Picture adjustments

- Press Menu and select 'Picture' in the menu bar. The following 'Picture' adjustments can now be made, following the instructions under 'General explanation' and the screen.
 - Brightness**
to adjust the brightness of the displayed picture;
 - Contrast**
to adjust the overall contrast intensity;
 - Picture Format**
to select one of five picture format options (16:9, 16:9 enlarged, 16:9 in 4:3, 4:3, 4:3 to 16:9);
 - Colour tracking**
selects between 'Vivid' and 'Natural' representation of colours in the picture.
'Vivid' is automatically set when computer input is used;
'Natural' is automatically set when video input is used.
 - Colour Temperature**
adjusts the overall colour impression from warm to cool;
 - Sharpness**
to control the contour impression of the picture;

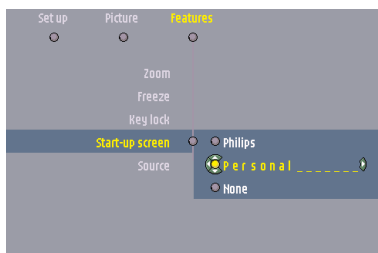
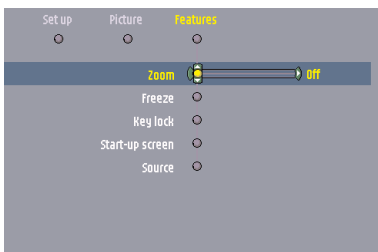
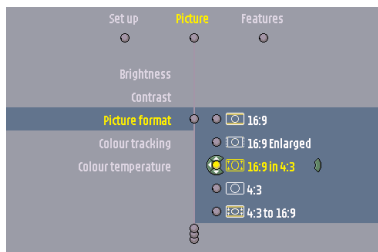
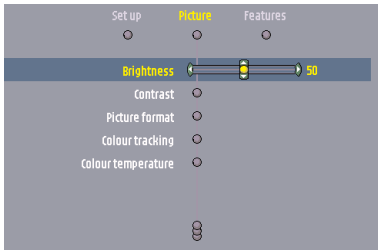
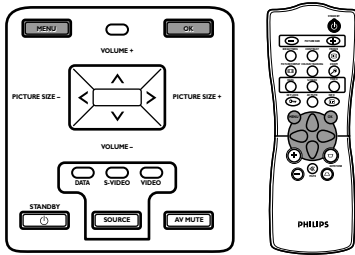


Features

- Press Menu and select 'Features' in the menu bar. The following 'Features' can now be selected, following the instructions under 'General explanation' and the screen.
 - Zoom**
to enlarge a part of the picture;
 - Freeze**
to capture a moving picture (still picture);
 - Key lock**
to de-activate all local controls (On). To disable the Key lock function press Key lock on the remote control to enter the menu and set Key lock to Off.
Key lock can also be disabled by pressing OK on the remote control or on the projector for 10 seconds.
 - Start-up screen**
to display (Philips) or suppresses (Off) the default Philips start-up screen or your personal startup text (Personal) upon the projector's start up;
 - Source**
to select the current projection source: Auto, Data, RGBsync, YPbPr, RGBsog, S-Video, Video. When Auto is selected the source with the highest priority will automatically be selected (Data, RGBsync, YPbPr, RGBsog, S-Video, Video). When only one input source is connected, this will automatically be selected.



Video/S-Video adjustments



For Video/S-Video/Component signal input, the following 'Picture' and 'Features' adjustments can be made:

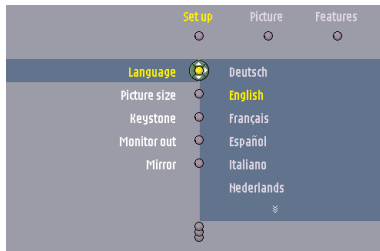
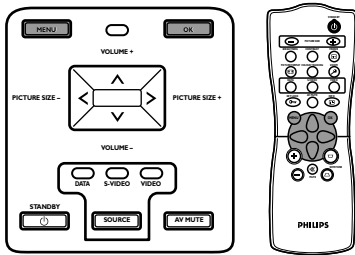
Picture adjustments

- Press Menu and select 'Picture' in the menu bar. The following 'Picture' adjustments can now be made, following the instructions under 'General explanation' and the screen.
 - *Brightness*
to adjust the brightness of the displayed picture;
 - *Contrast*
to adjust the overall contrast intensity;
 - *Picture Format*
to select one of six picture format options (16:9, 16:9 enlarged, 16:9 in 4:3, 4:3, 4:3 to 16:9);
 - *Colour tracking*
selects between 'Vivid' and 'Natural' representation of colours in the picture. 'Vivid' is automatically set when computer input is used; 'Natural' is automatically set when video input is used.
 - *Colour Temperature*
adjusts the overall colour impression from warm to normal to cool;
 - *Sharpness*
to control the contour impression of the picture;
 - *Hue (only for NTSC)*
to adjust the tint of the projected image;
 - *Saturation*
adjusts the colour saturation of the projected image.

Features

- Press Menu and select 'Features' in the menu bar. The following 'Features' can now be selected, following the instructions under 'General explanation' and the screen.
 - *Zoom*
to enlarge a part of the picture;
 - *Freeze*
to capture a moving picture (still picture);
 - *Key lock*
to de-activate all remote and local controls (On). To disable the Key lock function press Key lock on the remote control to enter the menu and set Key lock to Off. Key lock can also be disabled by pressing OK on the projector for 10 seconds.
 - *Start-up screen*
to display (Philips) or suppresses (None) the default Philips start-up screen or your personal startup text (Personal) upon the projector's start up;
 - *Source*
to select the current projection source: Auto, Data, RGBsync, YPbPr, RGBsog, S-Video, Video. When Auto is selected the source with the highest priority will automatically be selected (Data, RGBsync, YPbPr, RGBsog, S-Video, Video). When only one input source is connected, this will automatically be selected.

General adjustments/settings

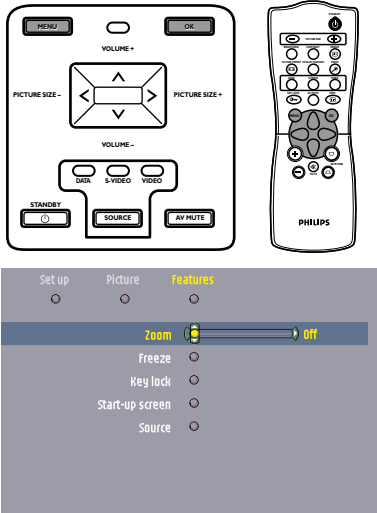


Set up adjustments

The projector is equipped with the following functions to optimize its use and handling:

- Press Menu and select 'Set up' in the menu bar. The following settings/adjustments can now be made for both Data, Component and Video/S-video input, following the instructions under 'General explanation' and the screen:
 - *Language*
to select the required menu language;
 - *Picture size*
to reduce/enlarge the size of the projected picture;
 - *Keystone*
to correct picture distortion of the vertical keystone type by internal scaling.
 - *Monitor out*
enables image on second monitor connected;
 - *Mirror*
to mirror the picture for use of the projector in various positions with respect to the user(s) and the projection screen;
 - *Auto Component Selection*
to select between YPbPr and RGBsog as component input source;
 - *SmartSave*
to switch off SmartSave mode or select the delay time after which the projector automatically switches to Standby.
 - *Feedback*
to suppress OSD feedback messages. Warning or error messages however are never suppressed;
 - *Lamp counter*
to show the operating time of the lamp, which can be reset after a new lamp has been installed;
 - *System information*
the System Information sub menu contains an overview of the most relevant projector information, including information on the hardware and software configuration;
 - *Factory settings*
to reset all user settings to the default factory settings;

Examples



The following settings/adjustments follow a slightly different procedure or may need some further explanation.

Zoom/Magnification

'Zoom' is used to enlarge a part of the picture.

- 1 Press Menu.
 - The menu bar appears on the screen.
- 2 Use Cursor Control to select 'Zoom' in the 'Features' menu.
- 3 Use the Cursor Control to adjust the Zoom factor:
 - The selected Zoom factor (4x, 9x, 16x or Off) will be displayed.

- 4 Use Cursor Control to select another section of the enlarged area ('Panning').

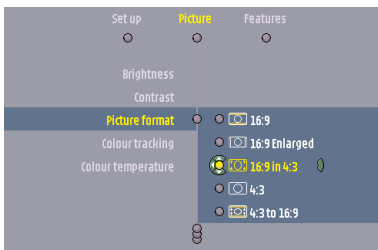
Note

You can also use the Zoom button on the remote control to enlarge the picture. The button toggles between 4 x, 9 x, 16 x and Off.

Picture Format

'Picture Format' is used to select one of six picture format options (16:9, 16:9 enlarged, 16:9 in 4:3, 4:3, 4:3 to 16:9). For both video signal and computer signal input the last selected picture format (before the projector was switched off) will be selected again.

- 1 Press Menu.
 - The menu bar appears on the screen.
- 2 Use Cursor Control to select 'Picture format' in the 'Picture' menu.
- 3 Use Cursor Control to select the required picture format (16:9, 16:9 enlarged, 16:9 in 4:3, 4:3, 4:3 to 16:9).
 - The picture format has now been set.



Notes

- Pressing the Picture Format button on the remote control, will immediately bring up the Picture Format selection window (step 2). Pressing the Picture Format button again will select the next picture format.
- Due to the scaling of the image when the picture format is changed, it might be possible that a part of the actual image is missing at the top or the bottom of the screen. With Cursor Control you can adjust the position of the projected image upwards or downwards.

Personal Start-up text

- 1 Press Menu.
- The menu bar appears on the screen.
- 2 Use Cursor Control to select 'Start-up screen' in the 'Features' menu.
- 3 Use Cursor Control to select 'Personal'.

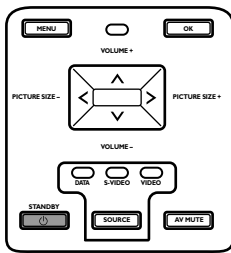


- You can now enter your personal Start-up text with a maximum of 14 characters.
Use Cursor Control Up/Down to select characters.
Use Cursor Control Left/Right to move to a previous/next position.
- 4 Confirm with OK.
- 5 Press OK again to return to the main menu..

6. Maintenance



Cleaning Caution



Switch off and disconnect the projector before cleaning.

- 1 Press the Standby button twice to switch off the projector.
 - The Standby indicator starts blinking red.
- 2 Wait until the cooling fan has stopped (about 3 minutes after the projector has been put in Standby) and disconnect the mains lead and all other cables.

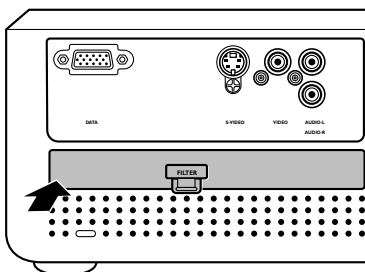
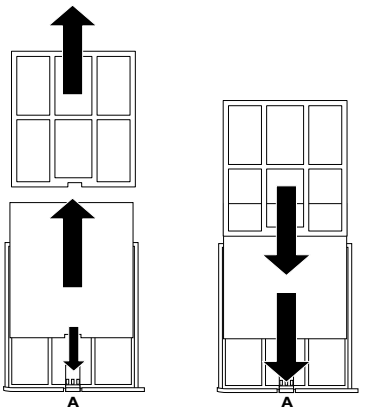
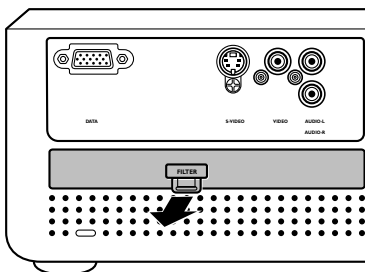
Cleaning the cabinet

- When the cabinet is dusty, clean it by gently wiping with a soft cloth.
- A chamois leather slightly moistened with water is sufficient for cleaning the housing.
- Do not use cleaning agents as they may harm the housing.

Cleaning the lens

- When the lens is dirty or dusty, first blow the dust off and then gently wipe with a soft brush or lens cleaning paper. Never touch the lens with your fingers.
- The lens is likely to become mouldy if left dirty.

Important



Cleaning the dust filter

Make sure to clean the dust filter regularly.

- 1 Switch off the projector and wait until the cooling fan has stopped before disconnecting the projector.
- 2 Remove the filter holder from the projector.
- 3 Press clamp A, open the holder and remove the filter.
- 4 While firmly holding the filter, gently remove any accumulated dust, from the dusty side, with a vacuum cleaner.
- 5 Press clamp A, put the filter back in place and release clamp A. Firmly press the filter edges in place.
- 6 Close the filter holder.
- 7 Insert the filter holder into the projector until it clicks in position.

Notes

We advise you to clean the filter every 100 hours. Operating the projector without filter or with a torn or damaged filter may seriously damage the projector.

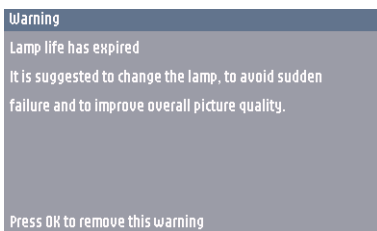
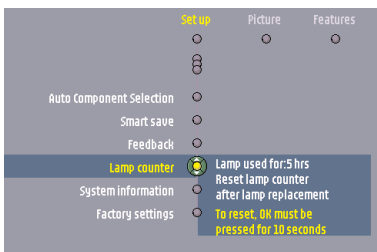
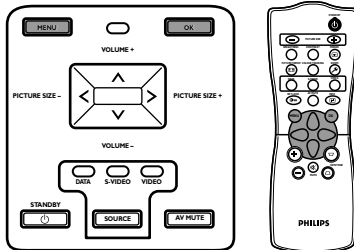
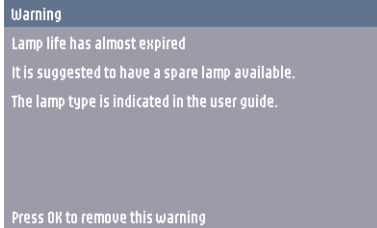
When the filter is damaged replace it with a filter of the same type (12 nc: 3122 434 02190).

Don't switch on the projector again unless the filter holder is installed correctly.

6. Maintenance



Lamp



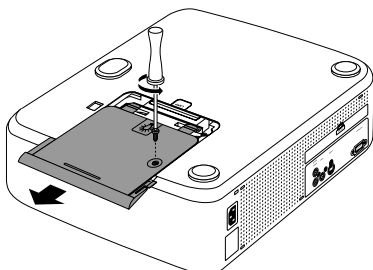
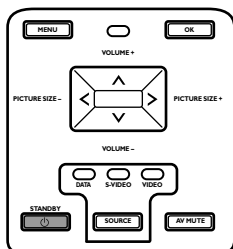
When operation time reaches the last 100 hours of the average lamp life, the message 'Warning: lamp life has almost expired' will be displayed on the screen, each time the projector is switched on.

The lamp life remaining can be checked using the OSD menu.

- 1 Press Menu.
 - The menu bar appears on the screen.
- 2 Use Cursor Control to select Lamp counter in the 'Set up' menu.
 - The used lamp life hours are displayed.

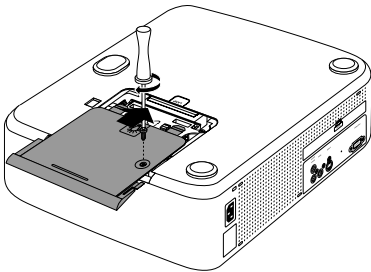
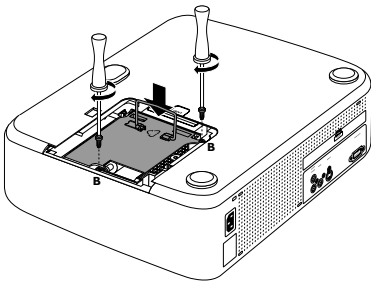
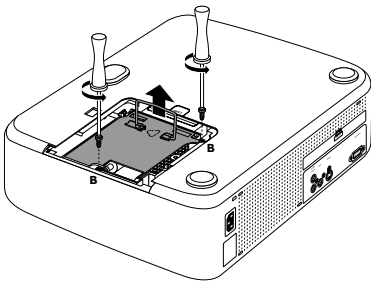
- When the lamp life has expired the message 'Warning: lamp life has expired' is displayed on the screen.

Lamp replacement



- 1 Switch off the projector and wait until the lamp has cooled down (about 5 minutes) before disconnecting the projector. Remove the mains lead from both projector and wall socket.
The mains lead must be disconnected from the projector otherwise the lamp door cannot be removed.
- 2 Turn the projector over: *Never place the projector on the side where the connections are located!*
- 3 Remove the lamp door, using a screwdriver.
 - When the lamp door is removed the mains inlet socket will be partly closed. *The lamp door therefore cannot be removed if the mains lead is not disconnected from the projector.*
- 4 Read the caution and warning labels on the lamp holder.

6. Maintenance

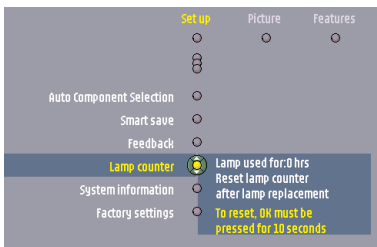
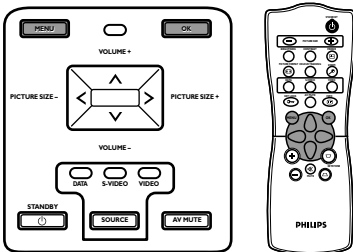


- 5 Unscrew screws B.
- 6 Grasp the lamp holder handle and carefully pull the lamp holder out of the projector.
 - Do not tilt. If the inner tube is broken glass particles may fall out.
 - Keep lamp holder opening to your right. Do not touch lamp or point lamp holder opening at anyone.
- 7 Carefully remove the new lamp housing from its package.
 - Always use the same type of lamp: LCA3122/00 (150 W), 12nc: 8670 931 22009.
 - Do not touch lamp or point lamp housing opening at anyone.
 - Do not drop, as the impact may cause the lamp to break.
- 8 Place the lamp holder in the guiding slots and insert into the lamp compartment.
- 9 Tighten screws B again.

- 10 Put the lamp door back in place, using a screwdriver.
 - The Mains inlet socket will open again.

- 11 Insert the mains lead into both the projector Mains inlet socket and the wall socket.
- 12 Press the Standby button to switch on the projector.
- 13 Reset the lamp life time (see 'Resetting the lamplife time').
- 14 Dispose of the old lamp in special chemical disposal bins.

Resetting the lamplife time



- 1 Press Menu.
 - The menu bar appears on the screen.
- 2 Use Cursor Control to select 'Lamp counter' in the 'Set up' menu.
 - 4 Press OK for 10 seconds to reset the lamp counter.
 - 5 If required, select another item you wish to adjust or press Menu to exit.

7. Troubleshooting



If a fault occurs, first check the points listed below before taking the projector for repair. If you are unable to remedy a problem by following these hints, consult your dealer or service organisation.

Warning

Under no circumstances should you try to repair the projector yourself as this could invalidate the guarantee.

Read as follows

Problem	
	<ul style="list-style-type: none">– Possible cause• Solution
Image is not or incorrectly displayed	<p>General</p> <ul style="list-style-type: none">– Mains lead is not correctly connected.• Correctly connect mains lead.– The filter holder is not installed correctly or is damaged.• Install the filter holder correctly (see 'Cleaning the dust filter' under 'Maintenance').– Lamp holder cover is not closed correctly or the lamp holder is damaged.• Close the cover correctly (see 'Lamp replacement' under 'Maintenance').– Signal cable not correctly connected.• Connect signal cable correctly.– The projector is in Off position.• Press Standby to switch on the projector.– A/V Mute active.• Cancel A/V Mute.– Projector still uses settings of a previous detected source on the input.• Reset all projector settings in the 'Set up' menu ('Factory settings'). <p>Note Please note that all other projector settings will be reset as well.</p> <p>In Data mode</p> <ul style="list-style-type: none">– Input resolution is too high (and keystoneing is applied).• If you wish to keep the keystone correction, decrease the input resolution until the image is correctly displayed. For this, refer to the User Guide or support information of the computer.• If you wish to keep the input resolution as it is, decrease keystoneing until the image is correctly displayed. For this, use the Keystone buttons on the remote control or the 'Keystone' option in the 'Set up' menu.– Input resolution is too high (and no keystoneing is applied).• Decrease the input resolution until the image is correctly displayed. For this, refer to the User Guide or support information of the computer. <p>In Component Video mode</p> <ul style="list-style-type: none">– Keystoneing is applied on a high resolution component signal.• Decrease keystoneing until the image is correctly displayed. For this use the Keystone buttons on the remote control or the 'Keystone' option in the 'Set up' menu.

In case of YPbPr connection

- 'YPbPr' is not selected in the menu and 'Auto Source' is activated. In this case 'Auto Source' will not recognize 'YPbPr'.
- Select 'YPbPr' as projection source in the 'Set up' menu ('Auto Component Selection' sub menu).

In case of RGBsog (Scart) connection

- 'RGBsog' is not selected in the menu and 'Auto Source' is activated. In this case 'Auto Source' will not recognize 'RGBsog'.
- Select 'RGBsog' as projection source in the 'Set up' menu ('Auto Component Selection' sub menu).

Poor colour

Note

- Adjust 'Brightness', 'Contrast', 'Tint' or 'Hue' (see 'Picture adjustment' under 'Operation' - 'On Screen Display Menu').
- Reset all projector settings in the 'Set up' menu ('Factory reset').
Please note that all other projector settings will be reset as well.

In case of YPbPr or RGBsog (Scart) connection

- Wrong component source selected in the menu: YPbPr i.s.o. RGBsog or vice versa.
- Check what source has been connected ('YPbPr' or 'RGBsog') and select this source the 'Set up' menu ('Auto Component Selection' sub menu).

Image is blurred

- Image is not focused.
- Adjust focus ring.
- Distance between projector and screen is not correct.
- Adjust the distance between the projector and the screen. Please check the 'Projector Assistant' programme on the CD-ROM
- Signal cable is not correctly connected.
- Connect signal cable correctly.

Picture rolls

- Signal cable is not correctly connected.
- Connect signal cable correctly.

No sound

- Audio cable is not correctly connected.
- Connect audio cable correctly.
- Volume is not adjusted properly.
- Adjust volume.
- (A/V-)Mute active.
- Cancel (A/V-)Mute.

The projector does not react to commands from the remote control

- Distance is too great.
- Reduce distance.
- Batteries are exhausted.
- Replace batteries (see 'Inserting the batteries in the remote control').
- IR sensor is obstructed.
- Remove obstacle.

Indicators

Standby/Remote control indicator (ring around Standby On button)

- red: Power/Standby mode.
- green: operation mode.
- green blinking (slow): warming up.
- red blinking (slow): cooling down.
 - Do not switch the projector off; it will restart the lamp automatically within a few seconds.
- red/yellow blinking (slow) for 1 second: signal from remote control received in Power/Standby mode;
- green/yellow blinking (fast) for 1 second: signal from remote control received in operation mode.

Error indicator

- red: lamp error
- red blinking (fast): temperature error

No reaction when pressing keys on local keyboard or remote control

- 'Key lock' active.
- Press Key lock on the remote control to switch off the Key lock function.

Picture too dark or bright with external monitor connected

- 'Monitor out' has been enabled, but the external monitor is not correctly connected (the picture on both displays is too bright).
- Connect the VGA Y cable supplied (See 'Connecting to an external monitor' under 'Installation').
- If the VGA Y cable is correctly connected, verify whether the input impedance of the monitor is correctly set on 75 Ohm.
- 'Monitor out' has not been enabled, but the external monitor is connected (the picture on both displays is too dark).
- Enable the 'Monitor out' option. Press Menu and use cursor control to go to 'Set up' in the menu bar. Select 'Monitor out' and select 'On'.

The Philips bClever SV1 projector uses three LCD (Liquid Crystal Display) panels. These panels contain a total of 1,200,000 pixels. As with any equipment, certain tolerances apply to the performance specification of the product. Philips' specifications for defective pixels is very severe. Only one bright blue pixel is allowed. This pixel will not affect the overall picture quality or the life expectancy of the projector.